# CS 255 System Design Document Christopher Richards Christopher.richards4@snhu.edu

## UML Diagrams

### UML Use Case Diagram

Diagram

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### UML Activity Diagrams

Diagram

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### UML Sequence Diagram

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### UML Class Diagram

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## Technical Requirements

For the DriverPass system, there will be a need for a database to store data for the DriverPass system. This database will need to store user and customer data, scheduling data for in-person instruction, activity data for activity reports and purchase information. As there is a desire for DriverPass to focus on day-to-day business activity and not on security and updates, this database should reside within a cloud solution. A web hosting platform will be needed to host the front-end application for the DriverPass system. Again, DriverPass wishes to not worry about security and updates, so this system should also reside within some sort of cloud solution. A cloud-based solution would offer flexibility in terms of hardware configuration, operating system choice and storage requirements. Storage and memory requirements, as well as individual server instances, can be scaled up or down depending on the dynamic need of DriverPass. This solution would also allow for the DriverPass system to be accessed anywhere at any time. Most mainstream cloud hosting solutions offer better than 99% uptime for cloud resources.